

# SEQUENCE LISTING

<110> THUDIUM, Kent  
SELBY, Mark

<120> CYTOMEGALOVIRUS INTRON A FRAGMENTS

<130> 2302-16095 / PP16095.002

<140>

<141>

<150> 60/240,502

<151> 2000-10-13

<160> 8

<170> PatentIn Ver. 2.0

<210> 1

<211> 838

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: full length  
intron A

<400> 1

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gtaagtaccg cctatagact ctataggcac acccctttgg ctcttatgca tgctatactg 60
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cctatagggt tgggttattg accattattg accactcccc tattgggtgac gatactttcc 180
attactaatc cataacatgg ctctttgccca caactatctc tattggctat atgccaatac 240
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cggcggagct tccacatccg agccctggtc ccatgcctcc agcggctcat ggctcgctcg 480
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tgagttgttg tattctgata agagtcagag gtaactcccg ttgcggtgct gttaacgggtg 720
gagggcagtg tagtctgagc agtactcgtt gctgccgcgc gcgccaccag acataatagc 780
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<210> 2

<211> 100

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic  
oligo for substitution of nucleotides 52-740 of  
Intron A

<400> 2  
atgcatctcg ttgctgccgc gcgcgccacc agacataatc gctgacacac tgacagactg 60  
ttccttttct tttttttttt ttgcagtcac cgtcgtcgac 100

<210> 3  
<211> 145  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: Deletion  
mutant pCON3 Intron

<400> 3  
gtaagtaccg cctatagact ctataggcac acccctttgg ctcttatgca tctcgttgct 60  
gccgcgcgcg ccaccagaca taatcgctga cacactgaca gactgttctt ttcctttttt 120  
tttttttgca gtcaccgctg tcgac 145

<210> 4  
<211> 2170  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: major  
immediate-early gene of hCMV

<400> 4  
ctgcagtga taataaaatg tgtgtttgtc cgaaatacgc gttttgagat ttctgtcgcc 60  
gactaaattc atgtcgcgcg atagtgggtg ttatcgccga tagagatggc gatattggaa 120  
aaatcgatat ttgaaaatat ggcatattga aaatgtcgcc gatgtgagtt tctgtgtaac 180  
tgatatcgcc atttttccaa aagtgatttt tgggcatacg cgatatctgg cgatacggct 240  
tatatcgttt acgggggatg gcgatagacg actttggcga cttgggggat tctgtgtgtc 300  
gcaaatatcg cagtttcgat atagggtgaca gacgatatga ggctatatcg ccgatagagg 360  
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tacgttgtat ctatatcata atatgtacat ttatattggc tcatgtccaa tatgaccgcc 540  
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ccccacgacc ccgcgccatt gacgtcaata atgacgtatg ttcccatagt aacgccaata 720  
gggactttcc attgacgtca atgggtggag tatttacggt aaactgcccc cttggcagta 780  
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attgggctcg caccgtgacg cagatggaag acttaaggca gcggcagaag aagatgcagg 1920  
cagctgagtt gttgtattct gataagagtc agaggtaact cccgttgccg tgctgttaac 1980  
gggtggagggc agtgtagtct gagcagtact cgttgctgcc gcgcgcgcca ccagacataa 2040  
tagctgacag actaacagac tgttcctttc catgggtctt ttctgcagtc accgtccttg 2100  
acacgatgga gtcctctgcc aagagaaaga tggaccctga taatcctgac gagggccctt 2160  
cctccaaggt 2170

<210> 5

<211> 126

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: wild type  
rabbit beta-globin

<400> 5

gttggatatcc tttttacagc acaacttaat gagacagata gaaactggtc ttgtagaaac 60  
agagtagtcg cctgcttttc tgccaggtgc tgacttctct cccctgggct gttttcattt 120  
tctcag 126

<210> 6

<211> 127

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: optimized  
rabbit beta-globin

<400> 6

gtaagtatcc tttttacagc acaacttaat gagacagata gaaactggtc ttgtagaaac 60  
agagtagtcg cctgcttttc tgccaggtac taacttctct cccctctcct cttttctttt 120  
tctgcag 127

<210> 7

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer  
KBT-162

<400> 7

cgctgttttg acctccata 19

<210> 8

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: primer  
KBT-163

<400> 8

gttgagcaat tcacgttcat

20

0997063-104201  
T02T0T"630/2660